

# Méthodes de Test

## TP 1 — Test-Driven Unit Testing

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URL <http://upsilon.cc/zack/teaching/1314/methctest/>  
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# TDD problem collection

The **TDD problems project** collects use cases to exercise Test Driven Development:

<https://sites.google.com/site/tddproblems/>  
<https://sites.google.com/site/tddproblems/all-problems-1>

For this TD you have to:

- 1 choose a problem you like from the above list
- 2 validate your choice with me
- 3 implement it
- 4 go to 1

Rules:

- apply **Test-Driven Development**
- work in pairs using **pair programming**,<sup>1</sup> switching roles periodically

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<sup>1</sup>primer at [https://en.wikipedia.org/wiki/Pair\\_programming](https://en.wikipedia.org/wiki/Pair_programming)

# Homework 1 — description

For this part of the course you will be evaluated on several **homework assignments**.

First homework:

- work in **pairs**
- work using a **version control system** (Git or SVN)
- choose 3 or more *other* exercises from the TDD problems list
- for each exercise, make a **commit at each step** of each TDD iteration
  - ▶ commit after adding the failing test
  - ▶ commit after making it pass
  - ▶ commit after refactoring

# Homework 1 — submission

- submit a tar.gz archive containing
  - ▶ the **entire VCS history** (.git/ for Git; svnadmin dump for SVN)
  - ▶ a **README** documenting
    - ★ the chosen exercises
    - ★ the members of the pair
    - ★ instructions to: compile, run, run the test suite
- submissions must be made via DidEL at:  
<http://didel.script.univ-paris-diderot.fr/claroline/course/index.php?cid=METHTEST>  
Section: *Travaux > TP1 — test-driven unit test*
- deadline: 28 October 2013 (2 weeks from now)